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Attorney Docket No.: 019186-003800US

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

On May 23, 2005

TOWNSEND and TOWNSEND and CREW LLP

By: [Signature]
Mark T. Davis

2634
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

SHOKROLLAHI et al.

Application No.: 10/032,156

Filed: December 21, 2001

For: MULTI-STAGE CODE
GENERATOR AND DECODER FOR
COMMUNICATION SYSTEMS

Examiner: Chieh M. Fan

Art Unit: 2634

INFORMATION DISCLOSURE
STATEMENT UNDER 37 CFR §1.97 and
§1.98

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The references cited on attached form PTO/SB/08A are being called to the attention of the Examiner. Copies of the references [excluding cited U.S. Patents, U.S. Patent Application publications, and appropriate IFW-stored, pending U.S. Patent Applications and portions thereof, per 1287 OG 163] are enclosed.



It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

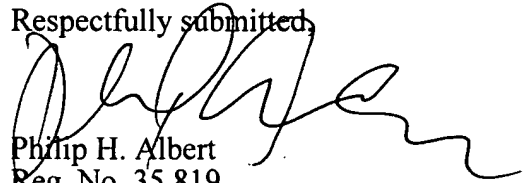
This IDS is being filed before the mailing date of the final Office Action or Notice of Allowance.

CERTIFICATION

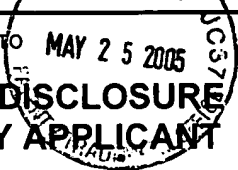
I hereby certify that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.

Applicant believes that no fee is required for submission of this statement. However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,


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Substitute for form 1449A&B/PTO				Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number		10/032,156		
		Filing Date		December 21, 2001		
		First Named Inventor		Shokrollahi, M. Amin		
		Art Unit		2634		
		Examiner Name		Chieh M. Fan		
Sheet	1	of	1	Attorney Docket Number		019186-003800US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	AA	BYERS, John W. et al.; "A Digital Fountain Approach to Reliable Distribution of Bulk Data"; 1998, <u>Computer Communication Review, Association for Computing Machinery</u> , Vol. 28, No. 4, pp. 56-67.	
	AB	BYERS, John W. et al.; "Accessing Multiple Mirror Sites in Parallel: Using Tornado Codes to Speed Up Downloads"; 1999, <u>Eighteenth Annual Joint Conference of the IEEE Computer and Communications Societies</u> , pp. 275-283.	
	AC	CLARK, G.C. et al.; "Error Correction Coding for Digital Communications, System Applications"; 1981, <u>Plenum Press</u> New York, pp. 339-341.	
	AD	LUBY, Michael G. et al.; "Analysis of Low Density Codes and Improved Designs Using Irregular Graphs"; 1998, <u>Proceedings of the 30th Annual ACM Symposium on Theory of Computing</u> "; 1998, pp. 249-258.	
	AE	LUBY, Michael G. et al.; "Efficient Erasure Correcting Codes"; 2001, <u>IEEE Transactions on Information Theory</u> , Vol. 47, No. 2, pp. 569-584.	
	AF	RIZZO, Luigi; "Effective Erasure Codes for Reliable Computer Communication Protocols"; <u>Computer Communication Review, Association for Computing Machinery</u> , Vol. 27, No. 2, pp. 24-36.	
	AG	SHU, Lin et al.; "Error Control Coding-Fundamentals and Applications"; 1983, <u>Englewood Cliffs</u> , pp. 288.	

Examiner Signature		Date Considered	
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¹ EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

² Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.